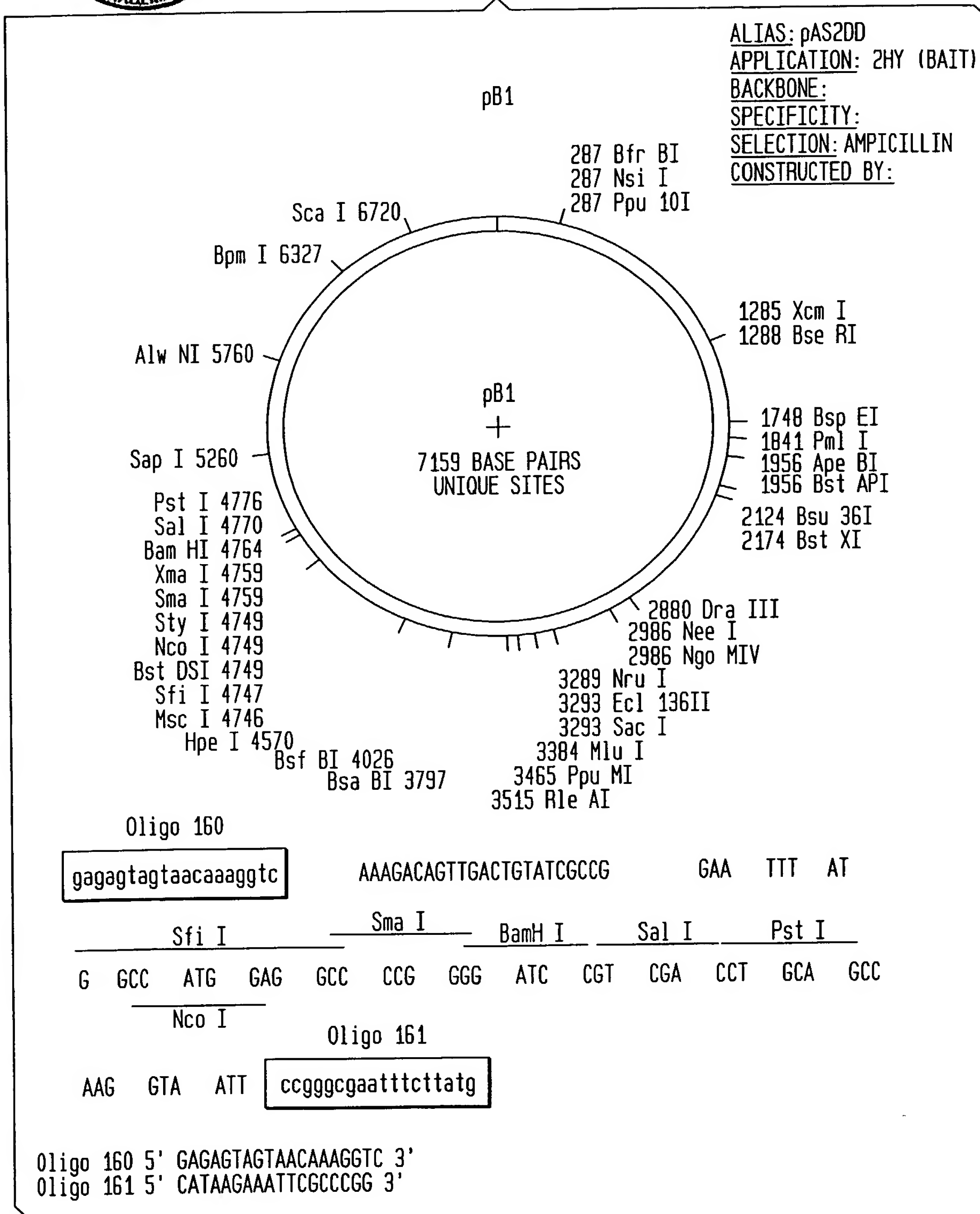
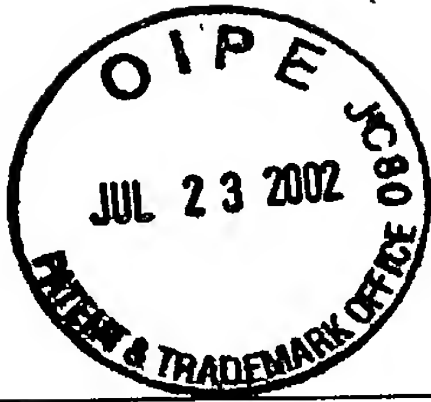




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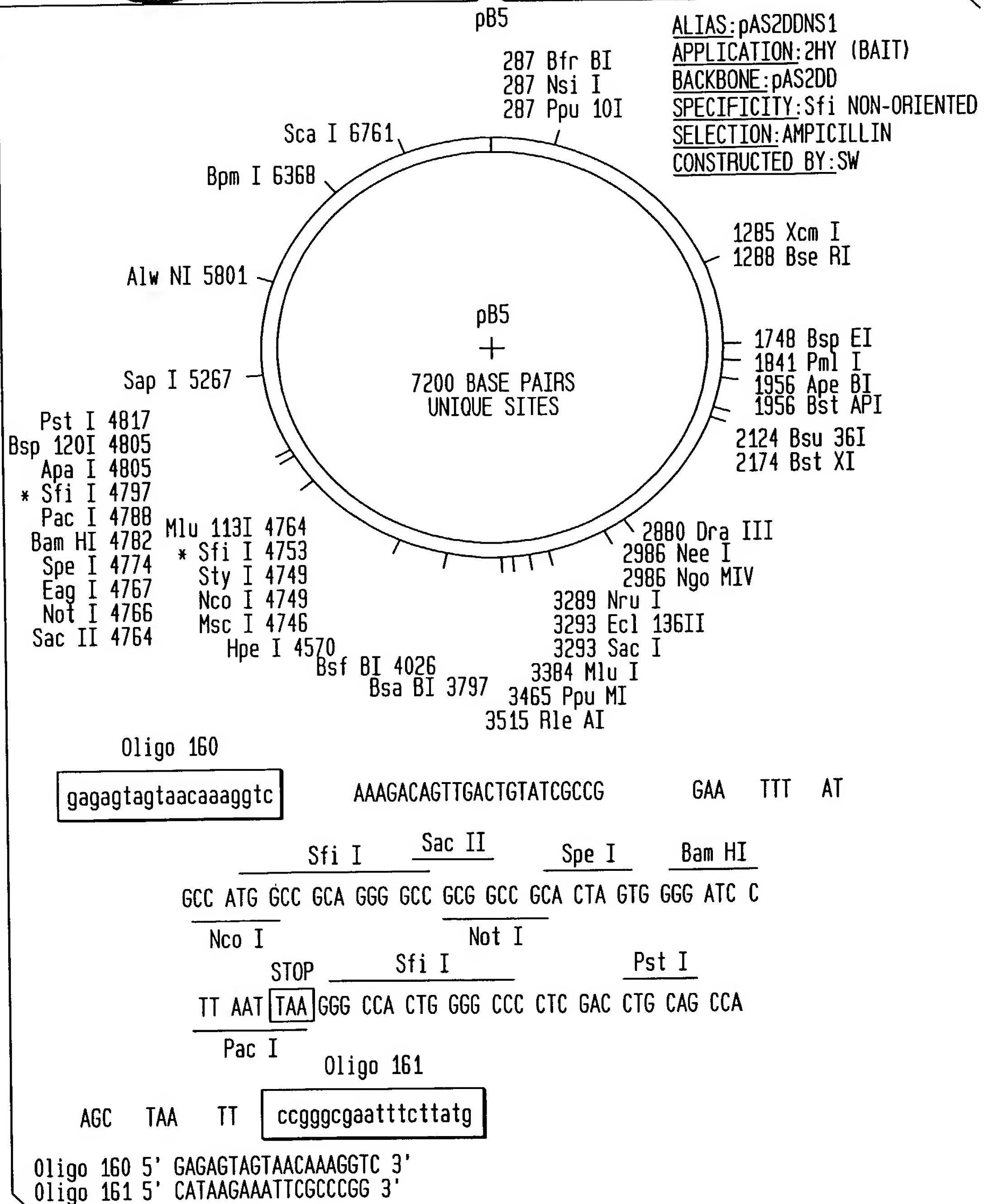
FIG. 1





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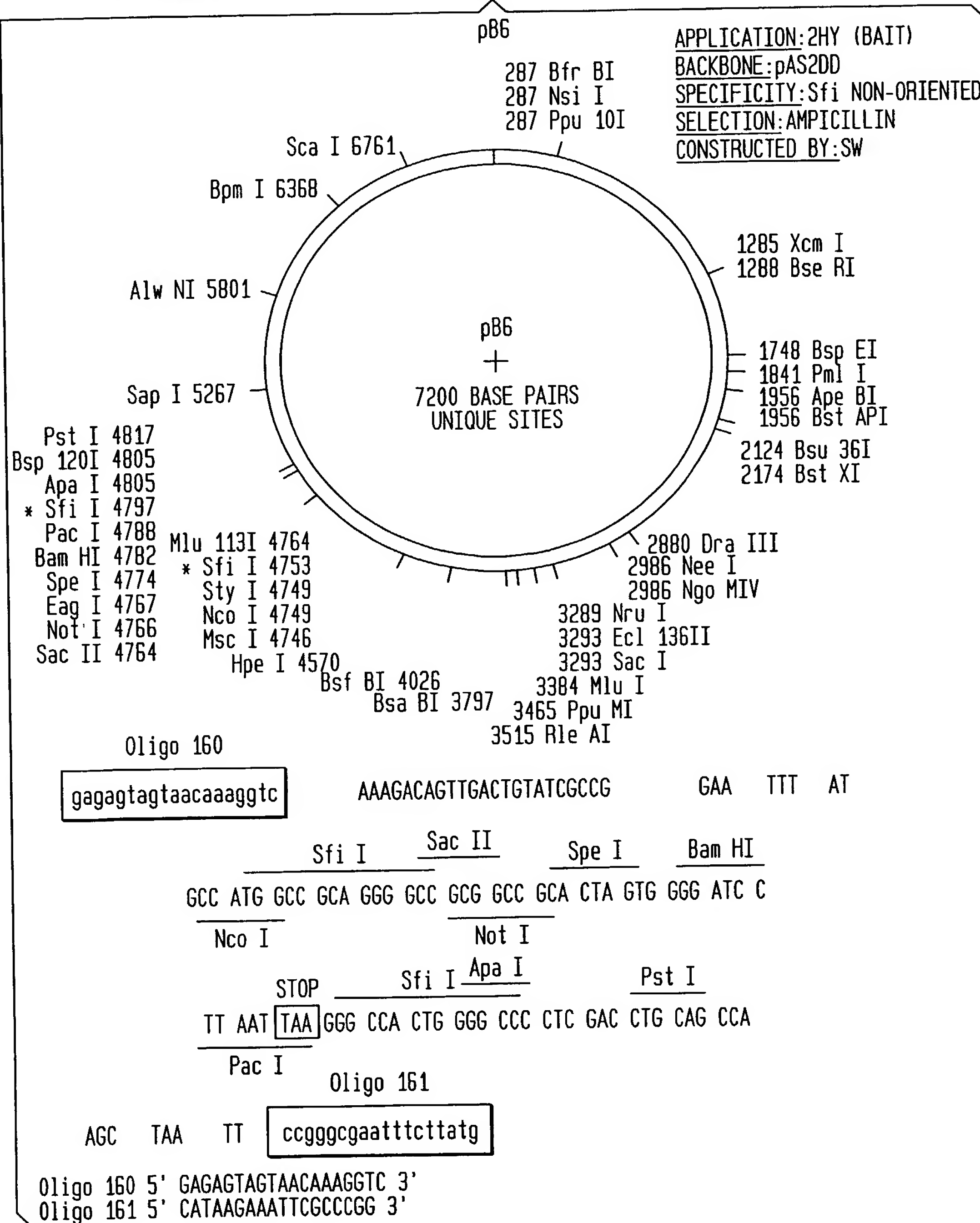
FIG. 2





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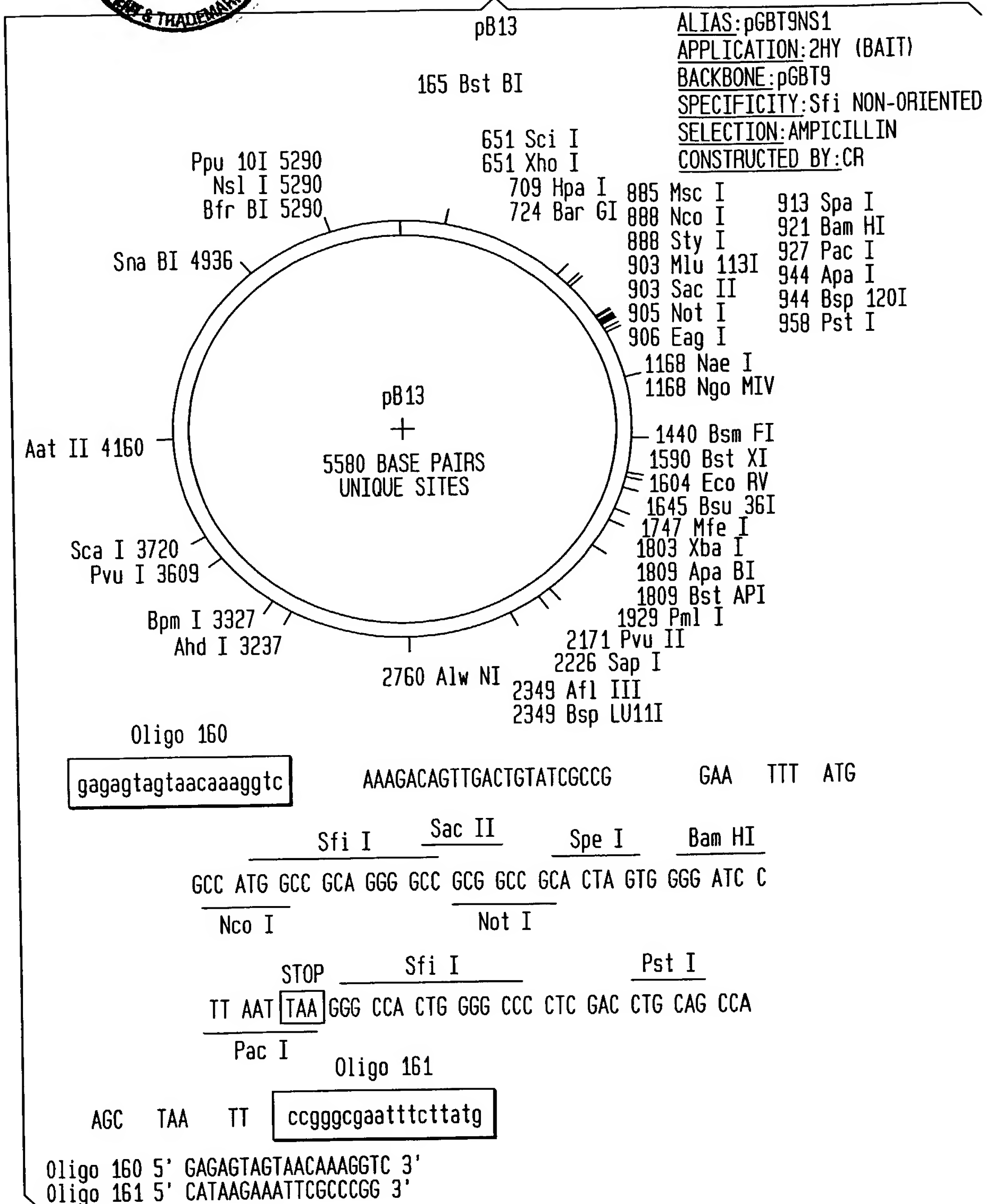
FIG. 3





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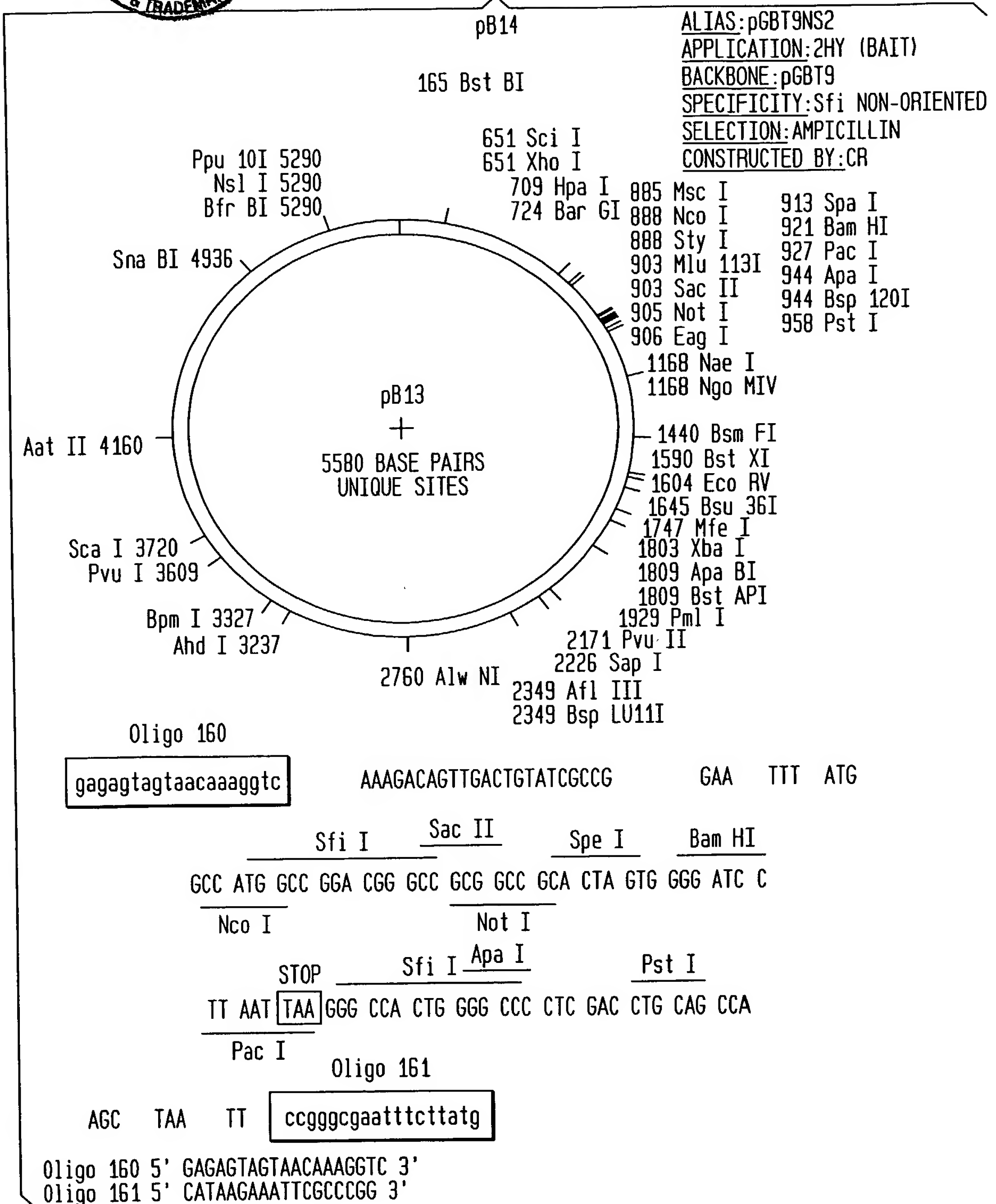
FIG. 4





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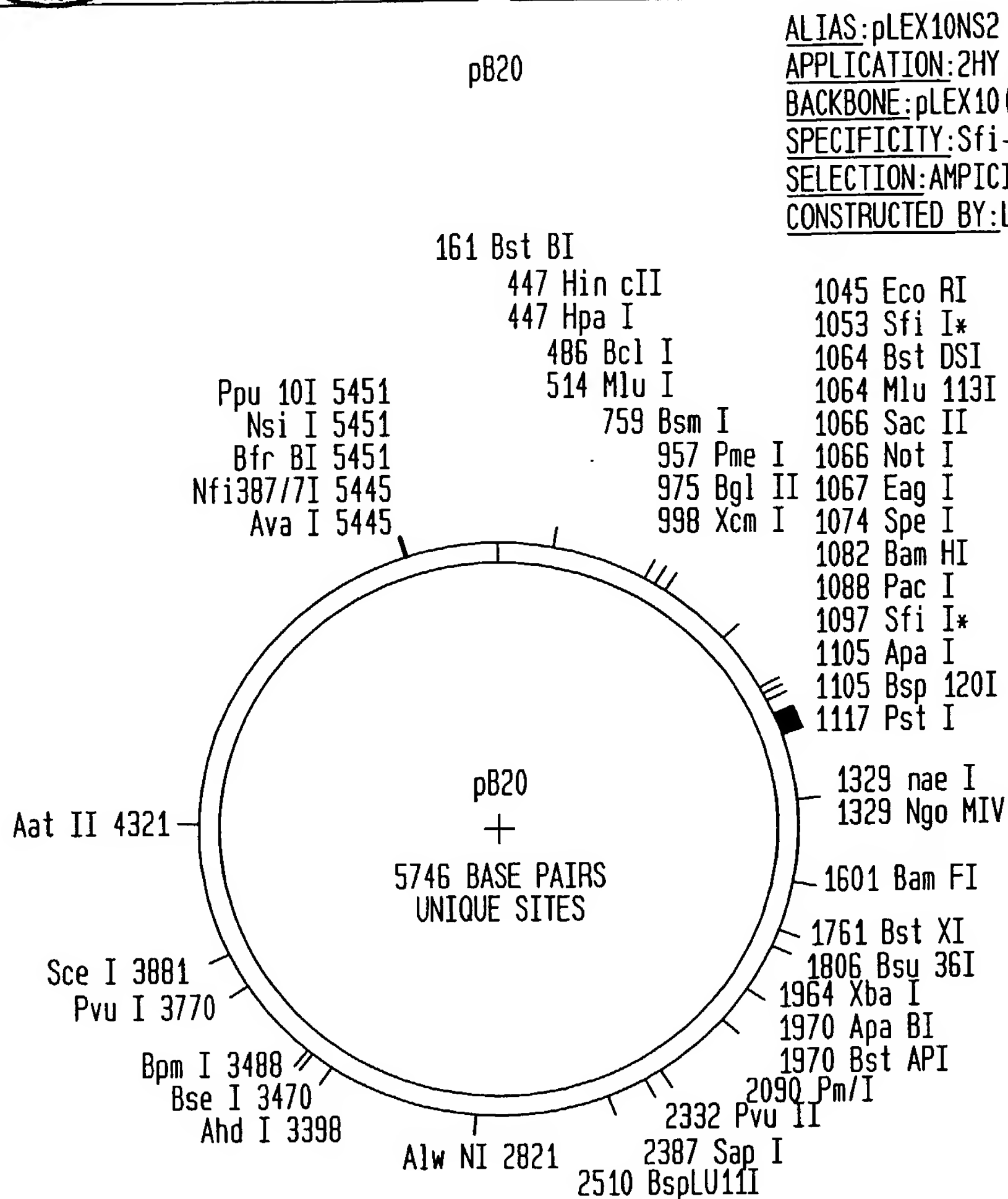
FIG. 5





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FIG. 6



EcoR I Sfi I Not I Spe I Bam HI

GAA TTC GGG GCC GGA CGG GCC GCG GCC GCA CTA GTG GGG ATC C

Sac II

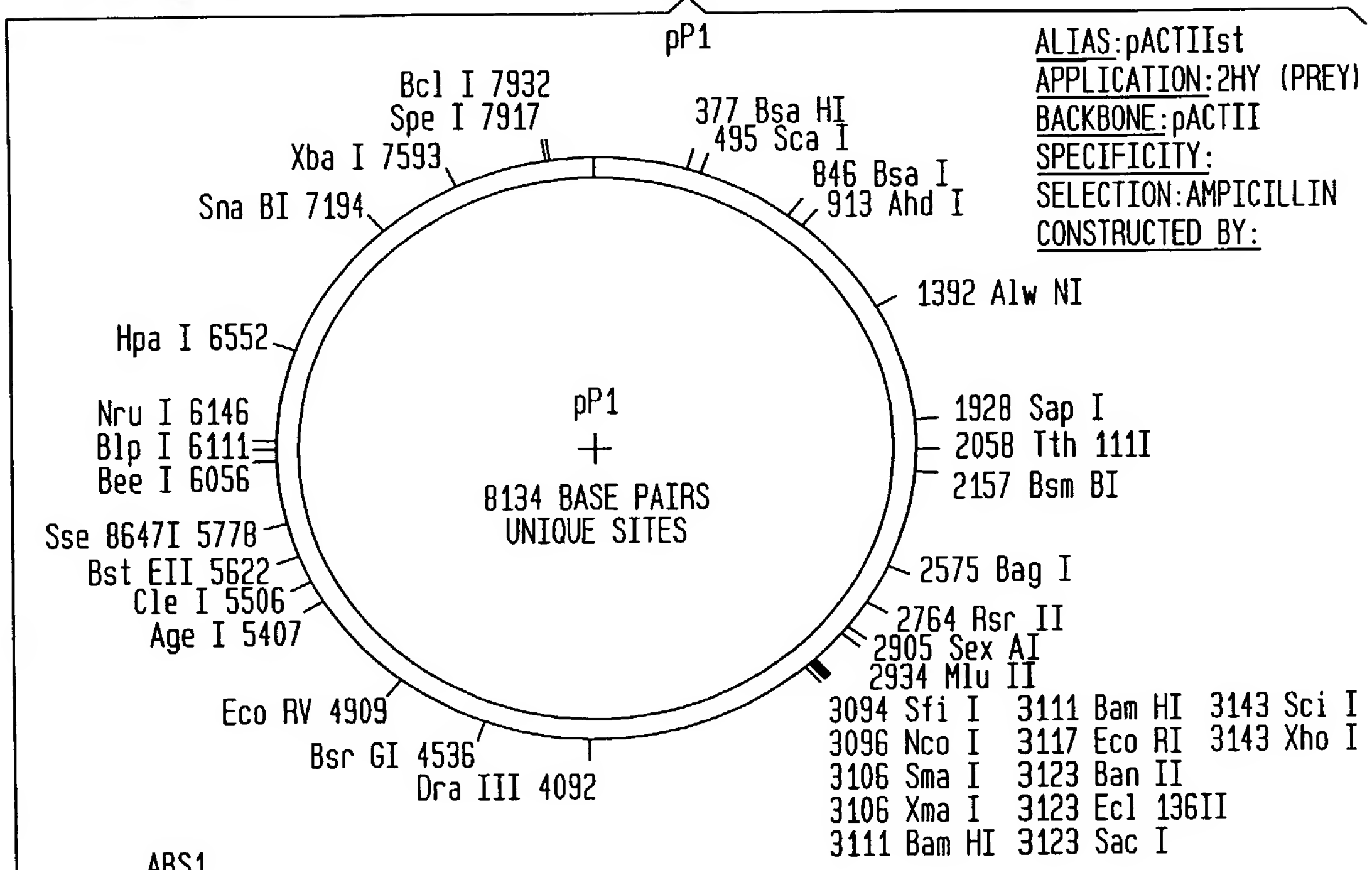
STOP

TT AAT TAA GGG CCA CTG GGG CCC CTC GAC CTG CAG CCA

Pac I Sfi I Pst I



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FIG. 7



ABS1
cgtttgaatcacagg GATGTTTAATACCACTACAATGGATGATGTATATAACTATCTATT

JC90
cgatgatgaagataccccaccaa Bgl II
CCCCAAAAAGAGATCTGTATGGCTTACCCATACGATGTTCCAG

Sfi I Sma I BamH I
ATTACGCTAGCTTGGGTGGTCATATGGCCATGGCC ATG GAG GCC CCG GGG ATC CGA ATT

Nco I
CGA GCT CGA CTA GCT AGC TGA CTC GAG AGA TCT ATGAAT

Sac I Xho I Bgl II

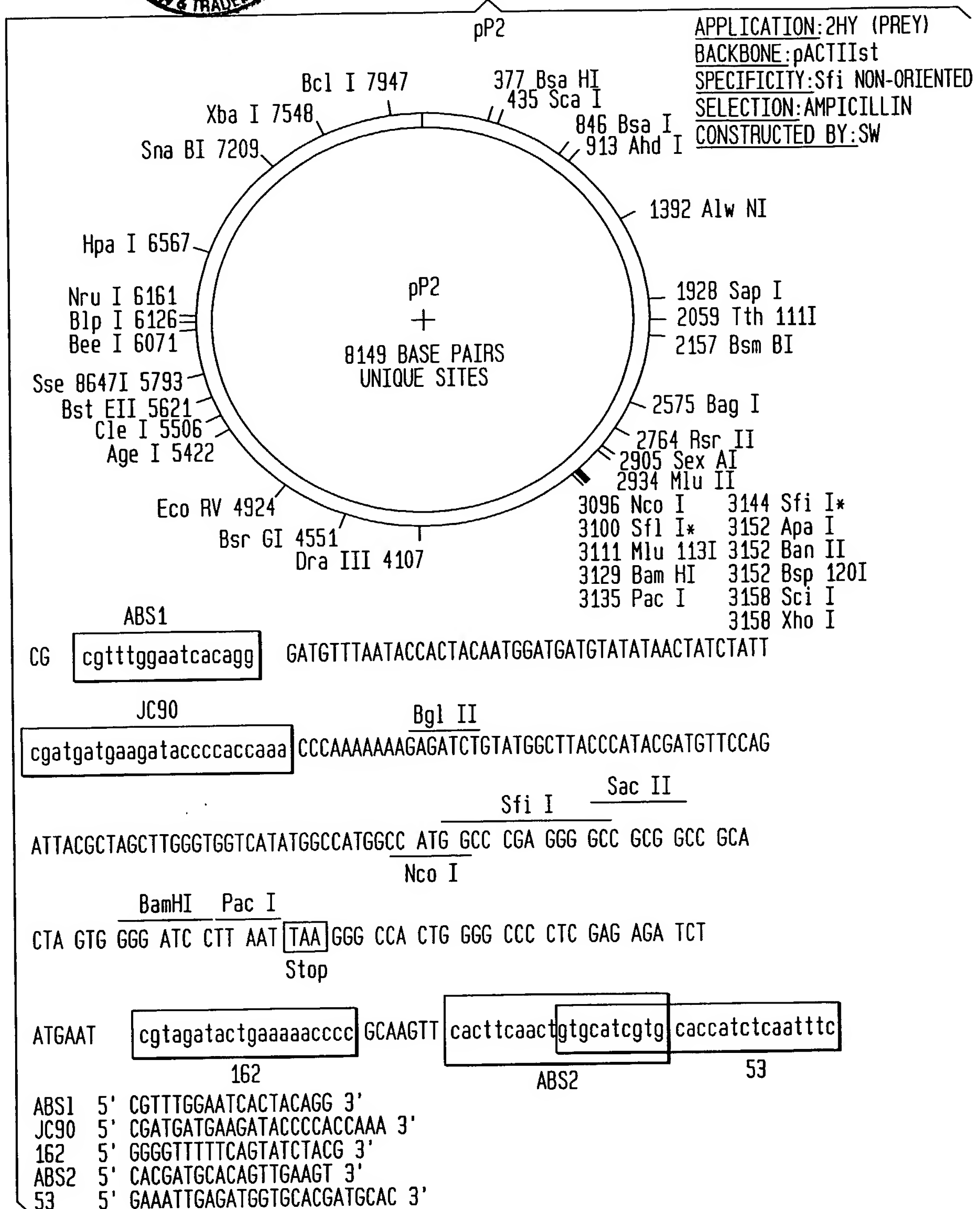
cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

162 ABS2 53

ABS1 5' CGTTTGAATCACTACAGG 3'
JC90 5' CGATGATGAAGATACCCACCAA 3'
162 5' GGGGTTTTTCAGTATCTACG 3'
ABS2 5' CACGATGCACAGTTGAAGT 3'
53 5' GAAATTGAGATGGTGCACGATGCAC 3'

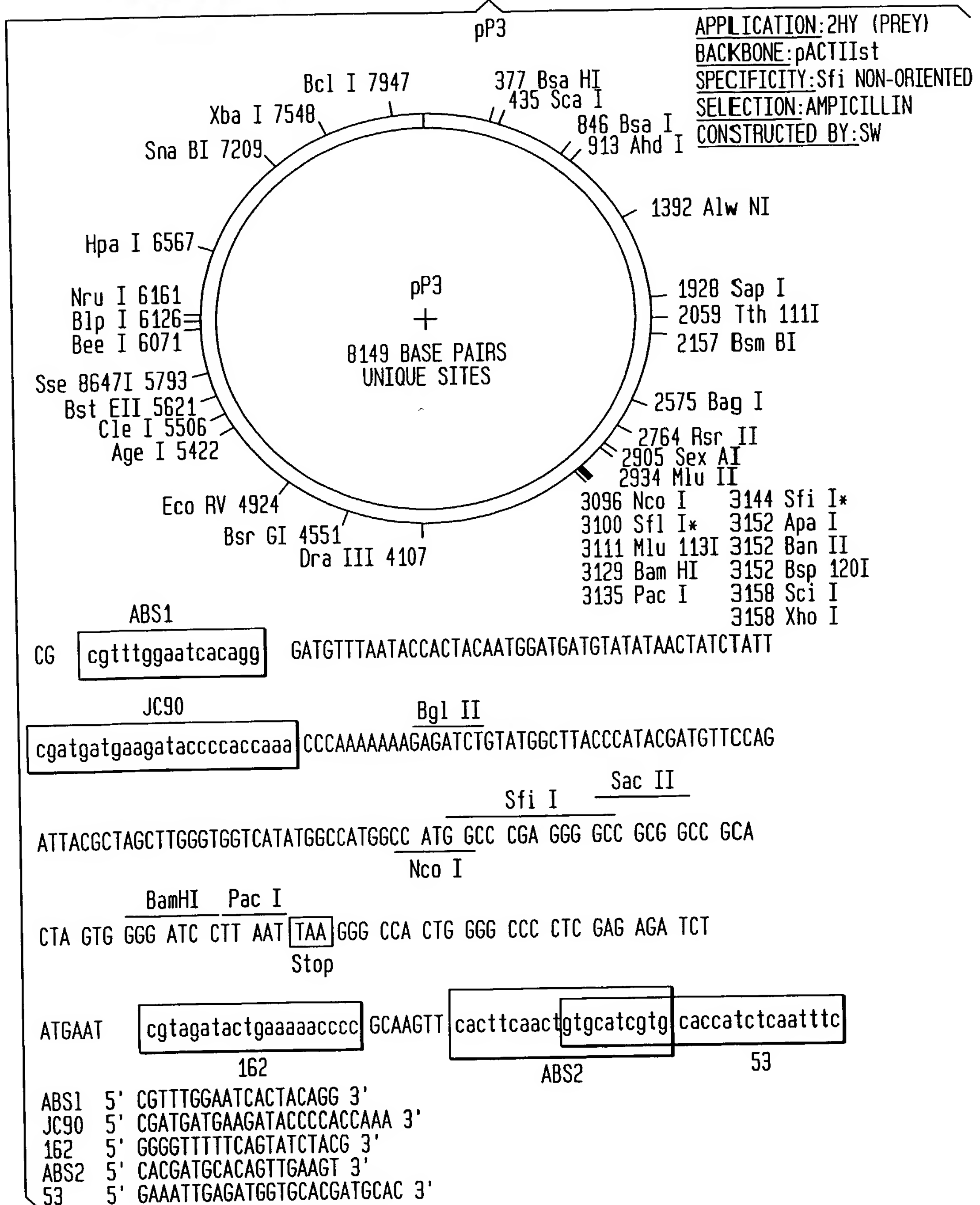


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FIG. 8





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FIG. 9



Sfo I 6945 Bsm I 7120 pP6 834 Nco I 882 Sfi I*

Nar I 6945 Bpu 10I 7091 838 Sfi I* 890 Apa I

Kas I 6945 Ngo MIV 7011 849 Mlu 113I 890 Ban II

Bbe I 6945 Nae I 7011 849 Sac II 890 Bsp 120I

Pst I 6809 688 Sex AI 851 Not I 896 Sci I

Sbf I 6808 717 Miu I 859 Spe I 898 Xho I

Sph I 6803 867 Bam HI 911 Xba I

Ppu 10I 6508 1134 Msc I

Nsi I 6508

Bfr BI 6508

Sna BI 6154

Bsa AI 6154

Aat II 5378

Bog I 4876

Pvu I 4827

Ahd I 4455

Alw NI 3977

2459 Afi II

2609 Bam FI

2623 Cle I

2739 Bst EII

2882 Pfl MI

2883 Ppu MI

2883 Sse 8647I

3161 Bse I

3388 Pvu II

3443 Sap I

ALIASE: pGAD3S2XNS1

APPLICATION: 2HY (PREY)

BACKBONE: pGAD3S2X

SPECIFICITY: Sfi NON-ORIENTED

SELECTION: AMPICILLIN

CONSTRUCTED BY: SW

pP6

7799 BASE PAIRS

UNIQUE SITES

ABS1

cgtttgaatcacagg GATGTTTAATACCACTACAATGGATGATGTATATACTATCTATT

JC90

cgatgatgaagataccccacccaaa CCCAAAAAAGAGATCCTAGAACTA

Sfi I Sac II Spe I Bam HI

GCC ATG GCC GCA GGG GCC GCG GCC GCA CTA GTG GGG ATC C

Nco I Not I Xho I Xba I

STOP Sfi I Xho I Xba I

TT AAT TAA GGG CCA CTG GGG CCC CTC GAG TAG CTA GTG TCT AGA

STOP STOP STOP

GGCCCCGGTACCCAATTGCCCCATAGTGAGTCGTATTACAATTCAGTGGCCG TCGTTTTA CAACGTCGTGACTGGGAAAACCTGATCTATGAAT

cgtagatactgaaaaacccc GCAAGTT cacttcaactgtgcatcgtg caccatctcaatttc

162 ABS2 53

ABS1 5' CGTTTGAATCACTACAGG 3'

JC90 5' CGATGATGAAGATACCCACCAAA 3'

162 5' GGGGTTTTTTCAGTATCTACG 3'

ABS2 5' CACGATGCACAGTTGAAGT 3'

53 5' GAAATTGAGATGGTGCACGATGCAC 3'



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FIG. 11

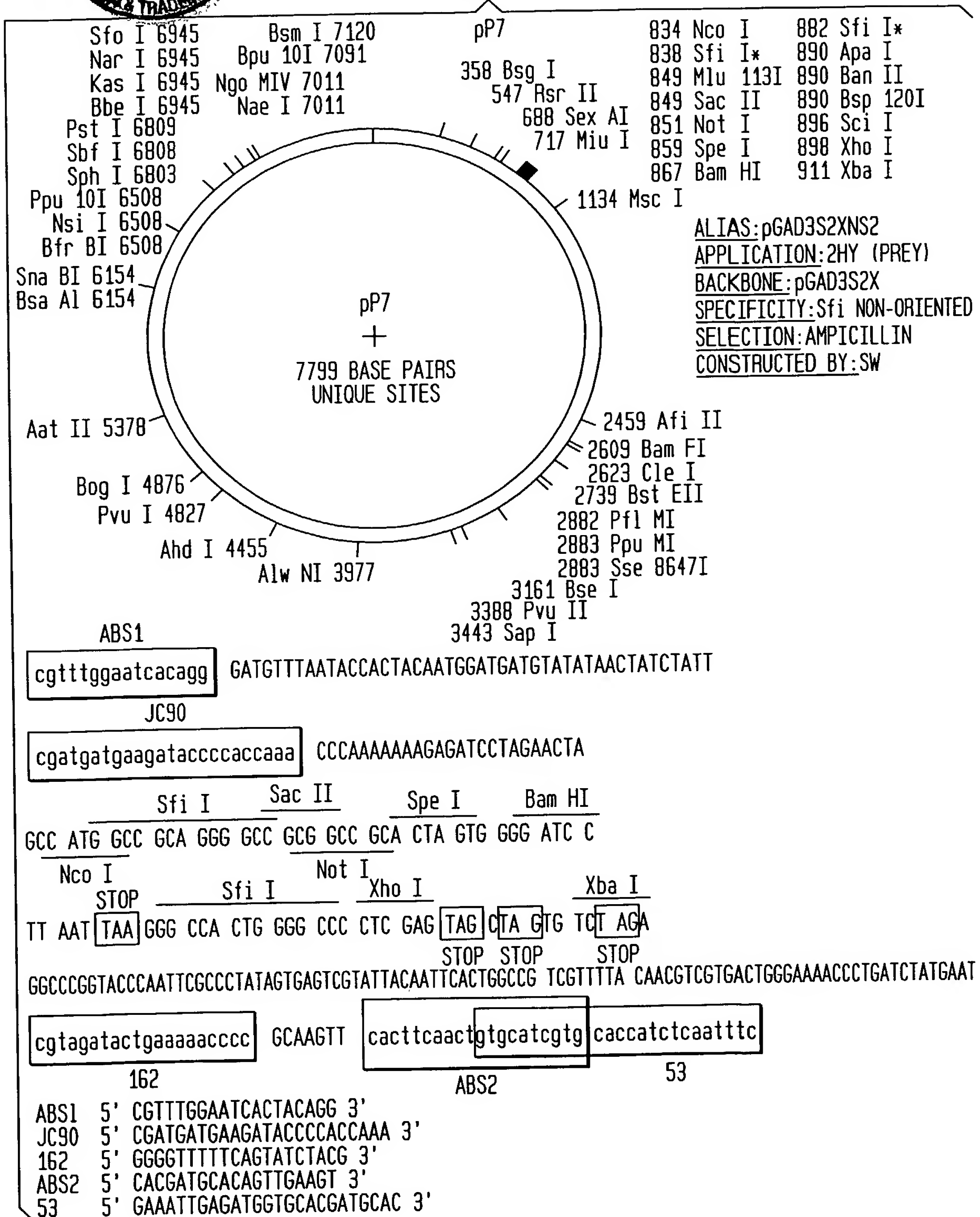
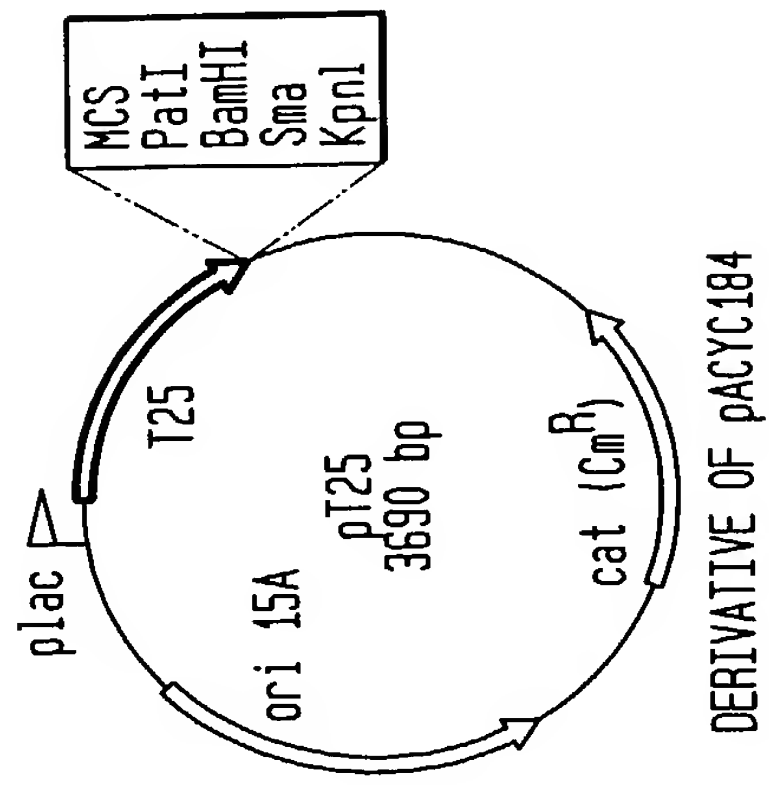


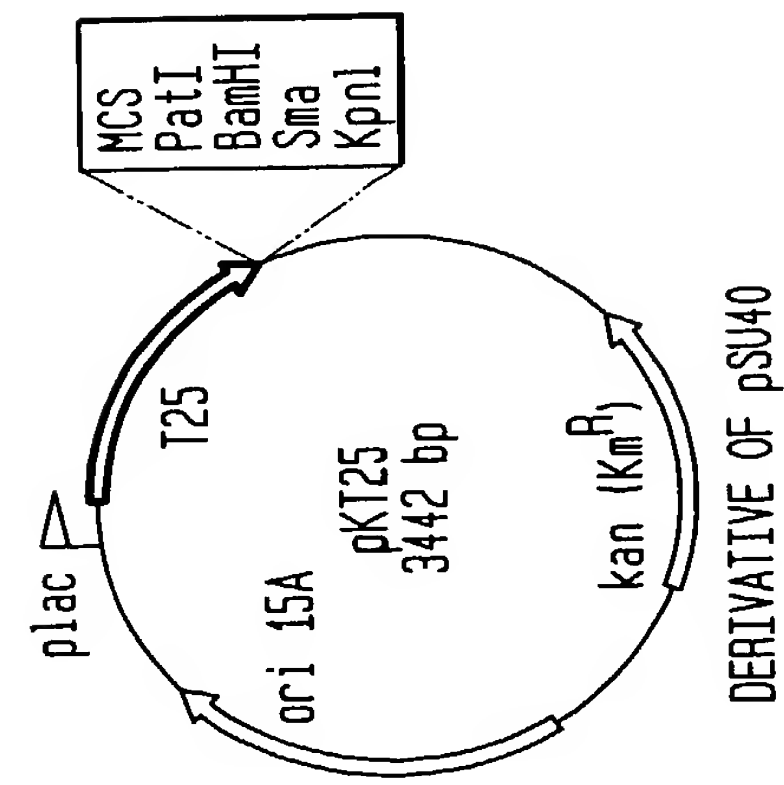


FIG. 12



GCT GCA GGG TCG ACT CTA GAG GAT CCC CGG GTA CCT AAG TAA
CGA CGT CCC AGC TGA GAT CTC CTA GGG GCC CAT GGA TTC ATT
ALA ALA GLY SER THR LEU GLU ASP PRO ARG VAL PRO LYS STOP

(*) RESTRICTION SITES ARE NOT UNIQUE

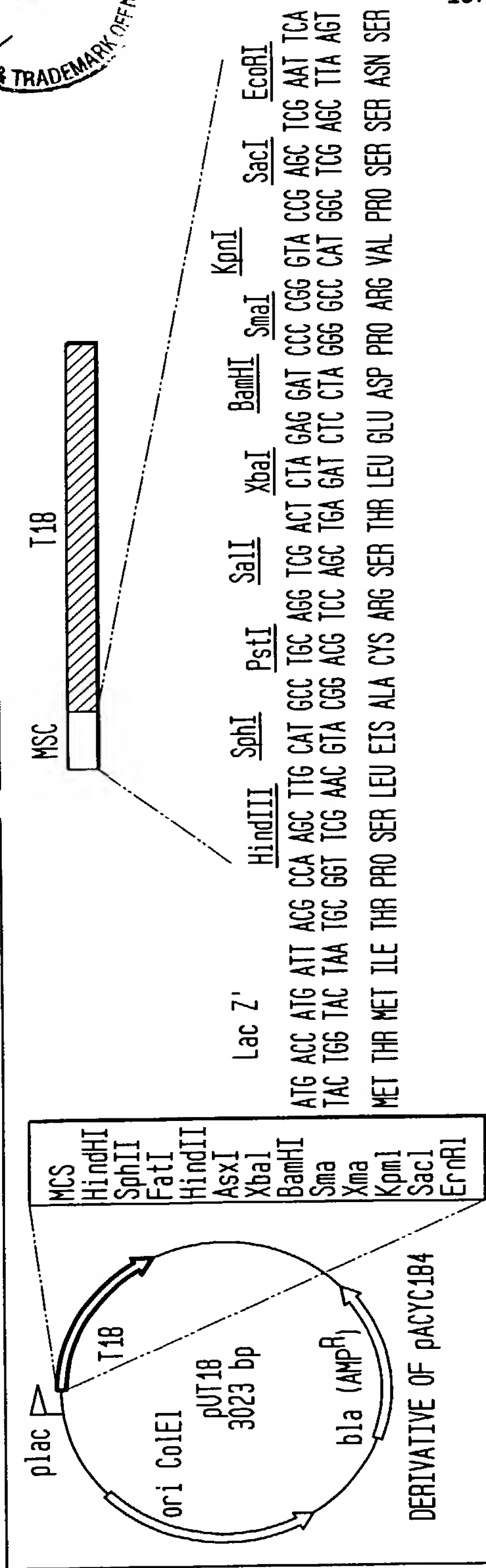


GCT GCA GGG TCG ACT CTA GAG GAT CCC CGG GTA CCT AAG TAA
CGA CGT CCC AGC TGA GAT CTC CTA GGG GCC CAT GGA TTC ATT
ALA ALA GLY SER THR LEU GLU ASP PRO ARG VAL PRO LYS STOP

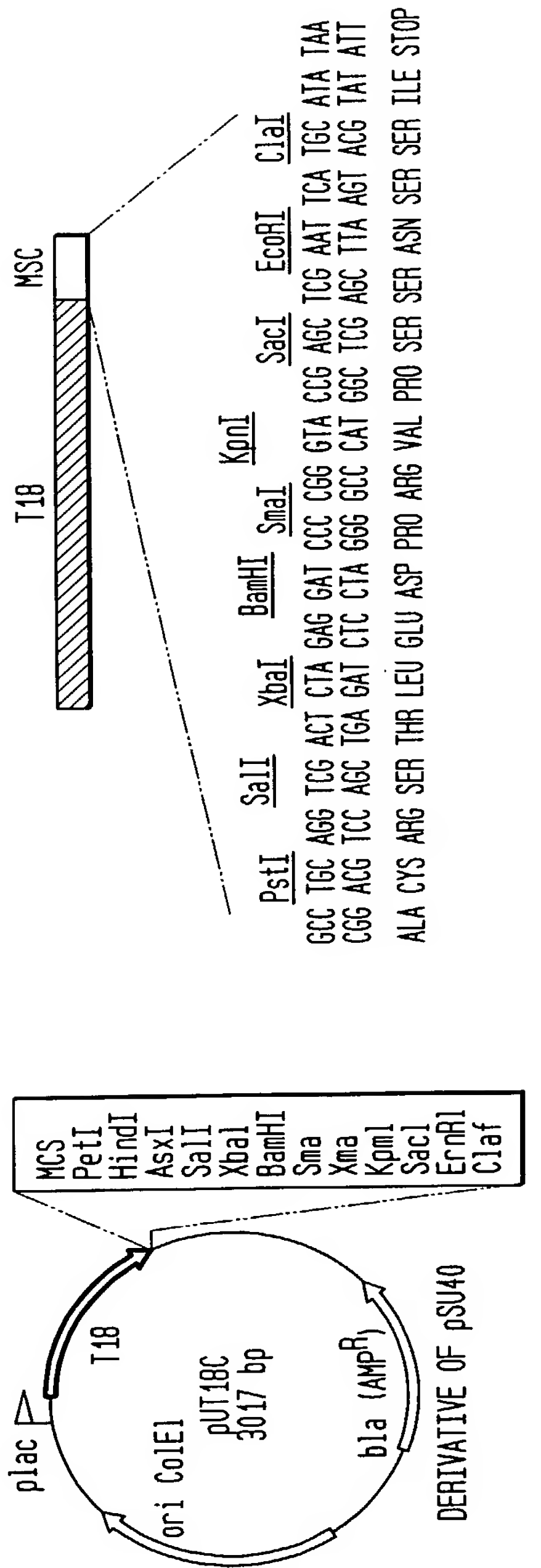
(*) RESTRICTION SITE IS NOT UNIQUE



FIG. 13



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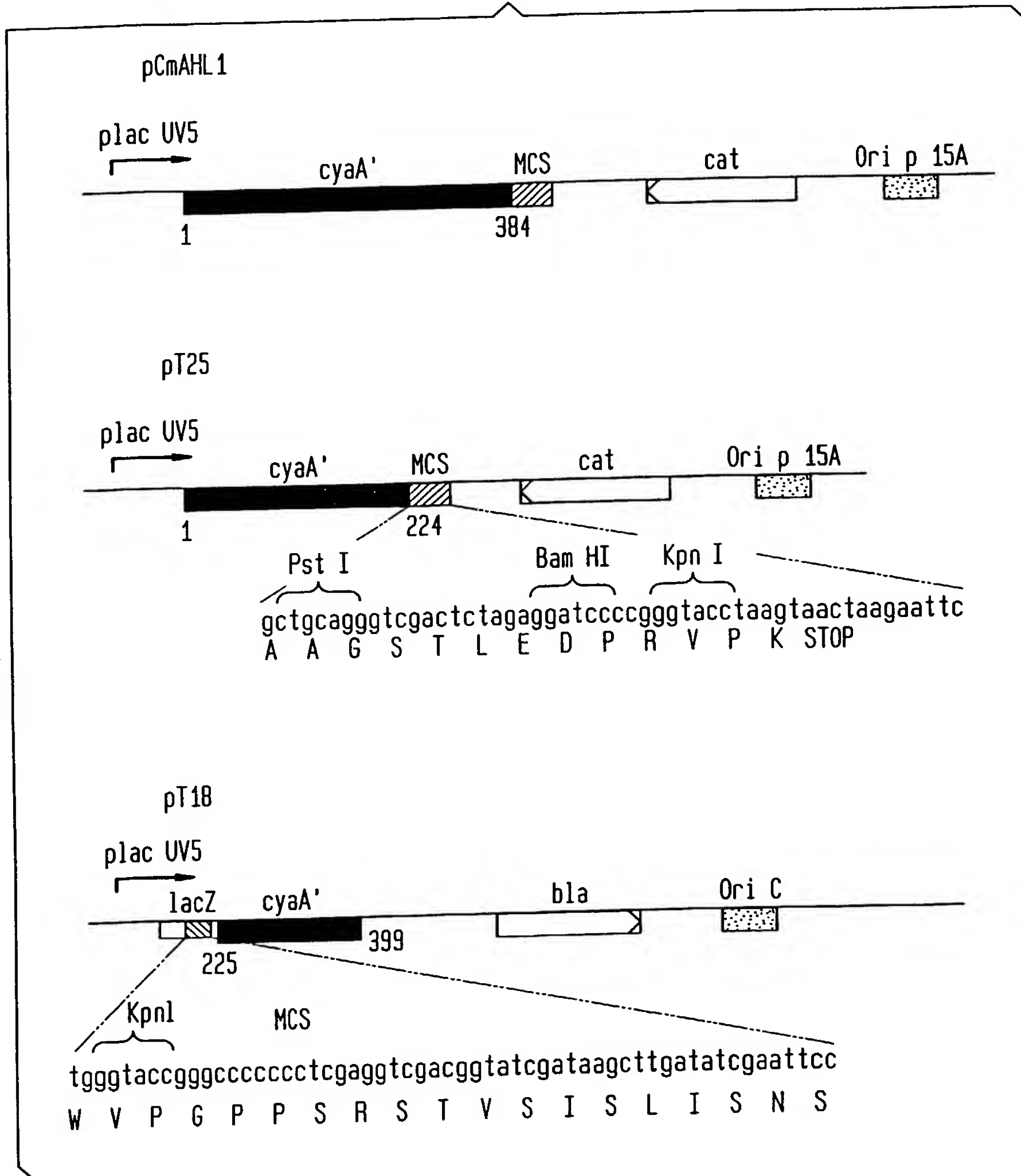


10034010.042302



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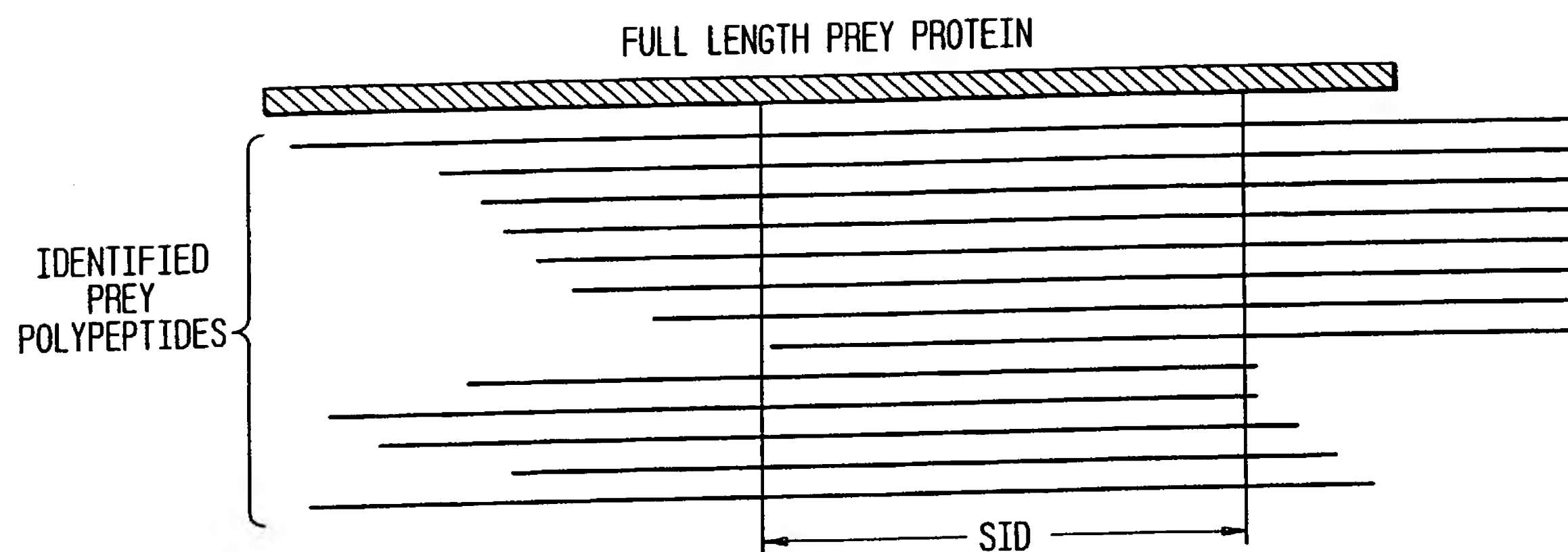
FIG. 14





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FIG. 15





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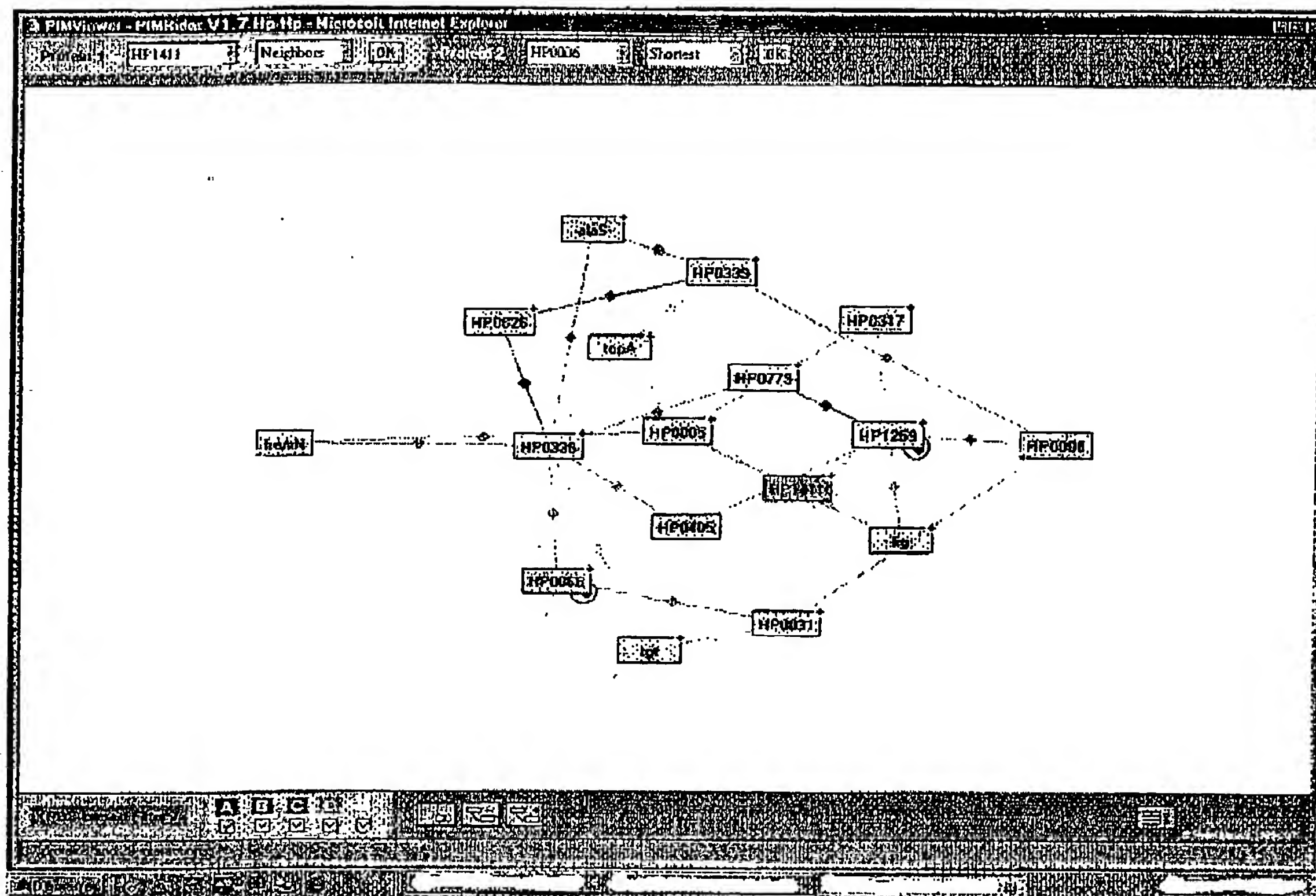


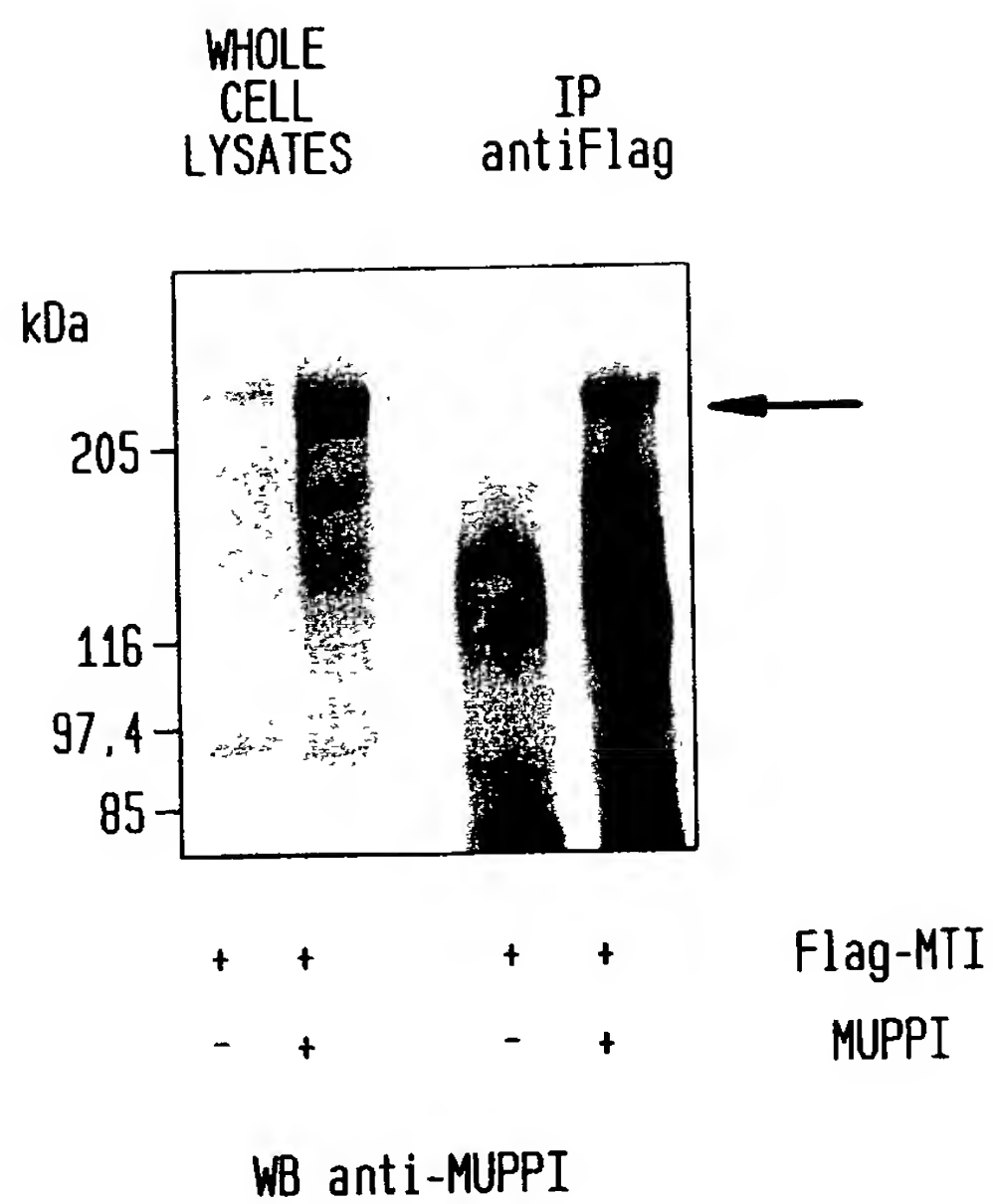
Figure 16 : Example of Protein Interaction Map

Fig. 16



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FIG. 17





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FIG. 18A

EFFECT OF MUPP1 OVER-EXPRESSION ON THE OLIGOMERIZATION OF MELATONIN RECEPTORS

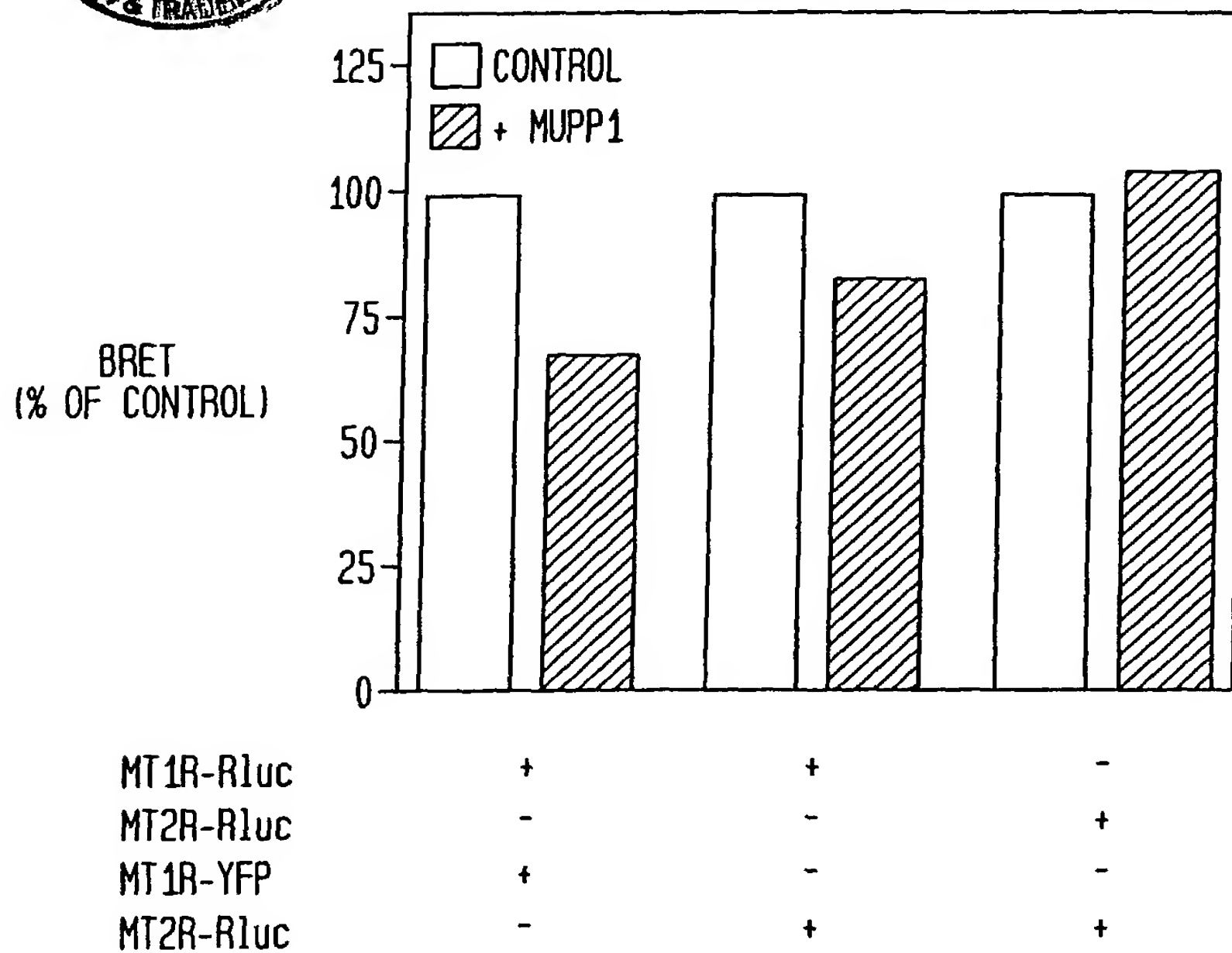


FIG. 18B

COMPETITION OF ENERGY TRANSFER BETWEEN MT1R-Rluc AND MT1R-YFP BY MUPP1

